

M12 female recept. A-cod. rear

PUR AWG24+22 shielded vt UL/CSA+drag ch. 5m

Art.No.: 7000-13571-8030500

Weight: 0.308 Country of origin: DE

Model designation: MSBFH-U803 5.0

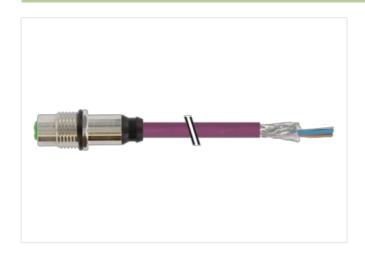
DeviceNet, CANopen Flange female M12, 5-pole Rear mounting without cable sleeves

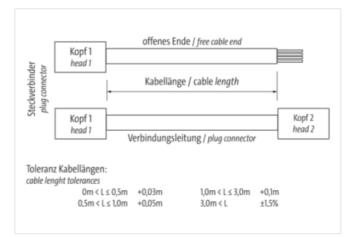
Further cable lengths on request.

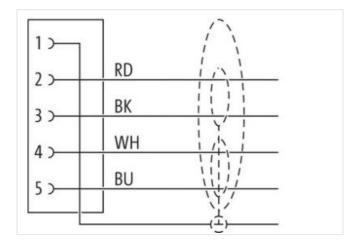
The resistance to aggressive media should be individually tested for your application. Further details on request.

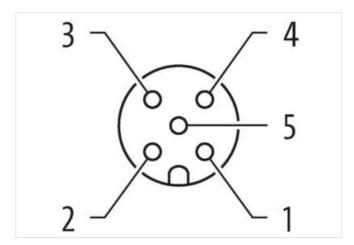
Link to Product

Illustration



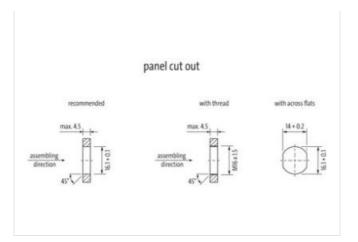


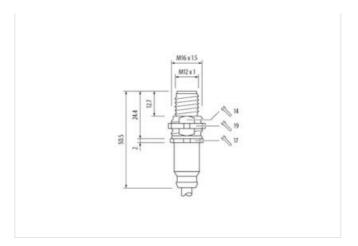






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Product may differ from Image















Side 1 Tightening torque 0.6 Nm Mounting method inserted, screwed Family construction form M12 Thread M12 x 1 suitable for corrugated tube (internal Ø) 10 mm Coding A Material Brass No. of poles 5 Width across flats SW13 Degree of protection (EN IEC 60529) IP67 Stripping length (facket) 20 mm Commercial data ECLASS-6.0 27279220 ECLASS-6.1 27279220 ECLASS-7.0 27440103 ECLASS-8.0 27440103 ECLASS-1.1 27440103 ECLASS-1.1 27440103 ECLASS-1.2.0 27440103 ECLASS-1.1 27440103 ECLASS-1.2.0 27440103 ECLASS-1.2.0 27440103 ECLASS-1.2.0 27440103 ECLASS-1.2.0 27440103 <td cols<="" th=""><th>Cable length</th><th>5 m</th></td>	<th>Cable length</th> <th>5 m</th>	Cable length	5 m
Mounting method inserted, screwed Family construction form M12 Thread M12 x1 suitable for corrugated tube (internal Ø) 10 mm Coding A Material Brass No. of poles 5 Width across flats SW13 Degree of protection (EN IEC 60529) IP67 Side 2 Strippig length (jacket) 20 mm Commercial data ECLASS-6.0 27279220 ECLASS-6.1 27279220 ECLASS-7.0 27440103 ECLASS-8.0 27440103 ECLASS-9.0 27440103 ECLASS-10.1 27440103 ECLASS-11.1 27440103 ECLASS-12.0 27440103 ECLASS-12.0 27440103 ECLASS-12.0 27440103 ECLASS-10.1 404807805 Customs tariff number 85444290 customs tariff number 85444290 GTIN 4048879578271 Packaging unit 1	Side 1		
Family construction form M12 Thread M12 x 1 suitable for corrugated tube (internal Ø) 10 mm Coding A Material Brass No. of poles 5 Width across flats SW13 Degree of protection (EN IEC 60529) IP67 Side 2 Stripping length (jacket) Commercial data ECLASS-6.0 27279220 ECLASS-7.0 27440103 ECLASS-8.0 27440103 ECLASS-9.0 27440103 ECLASS-11.1 27440103 ECLASS-11.1 27440103 ECLASS-12.0	Tightening torque	0,6 Nm	
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suitable for corrugated tube (internal Ø) 10 mm Coding A Material Brass No. of poles 5 Width across flats SW13 Degree of protection (EN IEC 60529) IP67 Side 2 Stripping length (jacket) 20 mm Commercial data ECLASS-6.0 27279220 ECLASS-6.1 27279220 ECLASS-7.0 27440103 ECLASS-9.0 27440103 ECLASS-9.0 27440103 ECLASS-10.1 27440103 ECLASS-10.2 27440103 ECLASS-12.0 27440103 ECLASS-12.0 85444290 customs tariff number 85444290 customs tariff number 85444290 GTIN 4048879578271 GTIN 4048879578271 Packaging unit 1 Electrical data Supply	Family construction form	M12	
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Degree of protection (EN IEC 60529) IP67	No. of poles	5	
Side 2 Commercial data ECLASS-6.0 27279220 ECLASS-6.1 27279220 ECLASS-7.0 27440103 ECLASS-8.0 27440103 ECLASS-9.0 27440103 ECLASS-10.1 27440103 ECLASS-11.1 27440103 ECLASS-12.0 27440103 ETIM-5.0 EC001855 customs tariff number 85444290 customs tariff number 85444290 GTIN 4048879578271 GTIN 4048879578271 Packaging unit 1 Packaging unit 1 Electrical data Supply	Width across flats	SW13	
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Packaging unit 1 Packaging unit 1 Electrical data Supply	GTIN		
Packaging unit 1 Electrical data Supply	GTIN	4048879578271	
Electrical data Supply	Packaging unit	1	
	Packaging unit	1	
Operating voltage AC max. 60 V	Electrical data Supply		
	Operating voltage AC max.	60 V	



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Operating voltage DC max.	60 V
Current operating per contact max.	4 A
Installation Connection	
Stripping length (jacket)	20 mm
Mounting set	M16 x 1.5
Width across flats	SW19
Device protection Electrical	
Protection NEMA	2.4 CD
	3, 4, 6P
Additional condition protection degree Pollution Degree	inserted, screwed 3
Rated surge voltage	1,5 kV
Material group (IEC 60664-1)	1,5 KV
Mechanical data Material data	
Coating housing	nickel plated
Coating locking	nickel plated
Coating of fitting	nickel plated
Locking material	Brass
Material screw connection	Brass
Mechanical data Mounting data	
Mounting method	Schraubgewinde
Looking techniques	Schraubgewinde
Environmental characteristics Climatic	;
Operating temperature min.	-25 °C
Operating temperature max.	85 °C
Additional condition temperature range	depending on cable quality
Important installation notes	
Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Note on bending radius	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.
Conformity	
Product standard	DIN EN 61076-2-101 (M12)
Approvals	
UL 50E	yes
	,,,,
Installation Cable	
wire arrangement	(white, blue), (black, red)
Cable identification	803
Function cable Jacket Color	Hybrid, Data, Power violet
Type of Certificate	cURus
Amount stranding	2
Stranding	2 wires twisted
Amount stranding (type 2)	1
Stranding (type 2)	2 Stranded joints twisted
Cable shielding (type)	copper braid, tinned
Cable shielding (coverage)	65 %
Banding Drain wire (grass section)	Foil
Drain wire (cross-section)	22 AWG
wire arrangement	(white, blue), (black, red)
Cable weigth	
Cable weigth	63,12 g/m
Cable weigth Material jacket Freedom from ingredients (jacket)	63,12 g/m PUR lead-free, CFC-free, halogen-free

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2025-05-08



Outer-diameter (jacket)	6,9 mm
Tolerance outer diameter (sheath)	±5%
Drain wire (cross-section)	22 AWG
Material wire insulation (Data)	PE
Outer diameter wire insulation (Data)	2,1 mm
Tolerance outer diameter wire insulation (data)	±5%
Ingredient freeness wire insulation (Data)	lead-free, CFC-free, halogen-free
Amount wires (Data)	2
Amount strands wire (Data)	19
Diameter of single wires (Data)	24 AWG
Conductor crosssection wire (Data)	24 AWG
Material conductor wire (Data)	copper stranded wire, tinned
Material wire insulation (Power)	PE
Outer diameter wire insulation (Power)	1,5 mm
Tolerance outer diameter wire insulation (Power)	±5 %
Ingredient freeness wire insulation (Power)	lead-free, CFC-free, halogen-free
Amount wires (Power)	2
Amount strands wire (Power)	19
Diameter of single wires (Power)	22 AWG
Wire conductor cross section (Power)	22 AWG
Material conductor wire (Power)	copper stranded wire, tinned
Nominal voltage AC max.	300 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. Wire (Data)	3 A
Current carrying capacity min. wire (Power)	6 A
Characteristic impedance	120 Ω ± 10 % @ 1 MHz
Electrical resistance coating wire (Power)	54 Ω/km @20 °C
Electrical resistance coating wire (Data)	78 Ω/km @ 20 °C
AC withstand voltage (wire - wire)	2 kV @ 60 s
Electric capacitance	40000 pF/km
AC withstand voltage (wire - shield)	2 kV @ 60 s
Isolation resistance	5000 MΩ × km
AC withstand voltage power (wire - shield)	2 kV @ 60 s
AC withstand voltage power (wire - wire)	2 kV @ 60 s
Min. operating temperature (static)	-40 °C
Max. operating temperature (fixed)	80 °C
Max. operating temperature (fixed) Operating temperature min. (dynamic)	80 °C -30 °C
Operating temperature min. (dynamic)	-30 °C
Operating temperature min. (dynamic) Operating temperature max. (dynamic)	-30 °C 70 °C
Operating temperature min. (dynamic) Operating temperature max. (dynamic) Flame resistance	-30 °C 70 °C UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090
Operating temperature min. (dynamic) Operating temperature max. (dynamic) Flame resistance chemical resistance	-30 °C 70 °C UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 Good, application-related testing
Operating temperature min. (dynamic) Operating temperature max. (dynamic) Flame resistance chemical resistance Gasoline resistance	-30 °C 70 °C UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 Good, application-related testing Good, application-related testing
Operating temperature min. (dynamic) Operating temperature max. (dynamic) Flame resistance chemical resistance Gasoline resistance Oil resistance	-30 °C 70 °C UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 Good, application-related testing Good, application-related testing DIN EN 60811-404 Good, application-related testing
Operating temperature min. (dynamic) Operating temperature max. (dynamic) Flame resistance chemical resistance Gasoline resistance Oil resistance Bending radius (fixed)	-30 °C 70 °C UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 Good, application-related testing Good, application-related testing DIN EN 60811-404 Good, application-related testing 6 x Outer diameter
Operating temperature min. (dynamic) Operating temperature max. (dynamic) Flame resistance chemical resistance Gasoline resistance Oil resistance Bending radius (fixed) Bending radius (dynamic)	-30 °C 70 °C UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 Good, application-related testing Good, application-related testing DIN EN 60811-404 Good, application-related testing 6 x Outer diameter 10 x Outer diameter
Operating temperature min. (dynamic) Operating temperature max. (dynamic) Flame resistance chemical resistance Gasoline resistance Oil resistance Bending radius (fixed) Bending radius (dynamic) No. of bending cycles (C-track)	-30 °C 70 °C UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 Good, application-related testing Good, application-related testing DIN EN 60811-404 Good, application-related testing 6 × Outer diameter 10 × Outer diameter 1 Mio. @ 25 °C